

# ONE DAY WORKSHOP

## ***“SUSTAINABLE PRACTICES IN CLIMATE- RESILIENT INFRASTRUCTURE”***

### **ORGANIZED BY**

#### **Department of Civil Engineering**

College of Engineering Guindy (CEG)

Anna University, Chennai

#### ***In collaboration with***

#### **Centre for Climate Change and Disaster Management (CCCDM)**

Anna University, Chennai

### **DATE & VENUE**

**DATE: 23 FEBRUARY 2026**

**VENUE: Paari Arangam**

Department of Civil Engineering

CEG, Anna University, Chennai

### **NO REGISTRATION FEES**

**Registration Link: <https://forms.gle/QR1MduFqZikFSzye7>**

**Last date for registration: 22.02.2026**



Lunch will be provided

### **CONTACT**

#### **THE DIRECTOR**

CCCDM, Department of Civil Engineering, CEG Campus

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### **ABOUT ANNA UNIVERSITY**

Anna University, established in 1978 and headquartered in Chennai, Tamil Nadu, is one of India's premier technical universities, renowned for its excellence in engineering, technology and applied sciences. The University offers a wide range of undergraduate, postgraduate and doctoral programmes through its constituent colleges and affiliated institutions across the state. With a strong emphasis on research, innovation and societal relevance, Anna University actively promotes interdisciplinary learning and problem-solving approaches to address contemporary challenges such as climate change, environmental sustainability, infrastructure resilience and disaster risk reduction. The University collaborates extensively with government agencies, industries, national laboratories and international institutions, contributing to policy formulation, technology development and capacity building. Through its commitment to sustainable development and alignment with the Sustainable Development Goals (SDGs), Anna University continues to play a pivotal role in shaping future-ready professionals and solutions for a resilient society.

### **ABOUT DEPARTMENT OF CIVIL ENGINEERING**

The Department of Civil Engineering at Anna University, CEG, stands as a Centre of Excellence in teaching, research and professional practice. The department offers comprehensive undergraduate, postgraduate and doctoral programmes spanning key domains such as environmental engineering, water resources, geotechnical engineering, transportation engineering, structural engineering and construction management. With state-of-the-art laboratories, field-based learning and strong industry and government linkages, the department actively contributes to sustainable and climate-resilient infrastructure development. Faculty and students are engaged in cutting-edge research addressing pressing challenges related to climate adaptation, pollution control, water and sanitation, disaster mitigation and

sustainable urban development. Through consultancy, sponsored research and capacity-building programmes, the Department of Civil Engineering plays a vital role in supporting evidence-based decision-making and resilient infrastructure planning at regional and national levels.

## ABOUT CCCDM

The Centre for Climate Change and Disaster Management (CCCDM), housed within Anna University, is a pioneering centre dedicated to advancing research, capacity building and policy support in the areas of climate change adaptation, mitigation and disaster risk reduction. Established to address the growing challenges posed by climate variability and extreme events, CCCDM adopts a multidisciplinary approach that integrates engineering, environmental sciences, social sciences and data-driven modelling. The Centre undertakes climate risk and vulnerability assessments, sectoral climate impact studies, environmental monitoring and decision-support research at regional and cadastral scales. CCCDM actively supports line departments, urban local bodies and stakeholders through training programmes, technical advisory services and knowledge dissemination initiatives. As the National Partner for the Climate Compatible Growth (CCG) Programme in India, CCCDM plays a strategic role in promoting climate-compatible development pathways through national and international collaborations.

## BACKGROUND

Climate change poses increasing risks to infrastructure systems through extreme weather events, rising temperatures, flooding and environmental degradation. Conventional infrastructure planning approaches are no longer sufficient to address these evolving challenges. There is a critical need to integrate sustainability principles, climate risk considerations and adaptive design strategies into infrastructure planning, construction and management.

This One-Day Workshop on “**Sustainable Practices in Climate-Resilient Infrastructure**” aims to provide participants with conceptual understanding and practical insights into sustainable and climate-resilient infrastructure solutions. The workshop will bring together experts from civil engineering, environmental sciences, urban planning and policy domains to discuss innovative materials, design strategies, risk-informed planning and best practices aligned with national climate adaptation priorities.

## SCOPE

The workshop focuses on sustainable and climate-resilient infrastructure practices that integrate engineering design, environmental management and risk reduction. Emphasis will be placed on practical approaches, case studies and policy-relevant frameworks supporting resilient infrastructure development.

## TARGET PARTICIPANTS

- Faculty Members
- Engineers
- Researchers
- Urban Planners
- Policymakers
- PG & PhD Scholars
- Students

## OBJECTIVES OF THE WORKSHOP

- To enhance understanding of climate risks to infrastructure systems
- To promote sustainable and resilient infrastructure design practices
- To share practical tools, case studies and best practices
- To foster interaction between academia, practitioners and policymakers



## MAJOR THEMES

- Climate Risks and Infrastructure Vulnerability
- Sustainable Materials and Green Construction Practices
- Climate-Resilient Urban and Transport Infrastructure
- Water-Sensitive and Nature-Based Infrastructure Solutions
- Policy Frameworks and Adaptation Strategies

## EXPECTED OUTCOMES

- Improved awareness of sustainable climate-resilient infrastructure practices
- Enhanced technical capacity among participants
- Knowledge exchange supporting evidence-based infrastructure planning
- Strengthened academic–practice linkages



## ORGANIZING COMMITTEE

### CHIEF PATRON

**Dr. P. Sankar, I.A.S.**

Secretary to Government,  
Higher Education Department, Government of Tamil Nadu

**Dr. S. Visakan, I.A.S.**

Commissioner of Technical Education,  
Directorate of Technical Education, Government of Tamil Nadu

**Dr. B. T. N. Sridhar**

Professor, Department of Aerospace Engineering,  
MIT Campus, Anna University

### PATRON

**Dr. V. Kumaresan**, Registrar (i/c), Anna University

**Dr. P. Hariharan**, Dean, CEG, Anna University

### CONVENER

**Dr. S. Kanmani**

Professor & Head, Department of Civil Engineering  
Director (i/c), CCCDM, Anna University

**Dr. A. Ramachandran**

Honorary Emeritus Professor, CCCDM, Anna University & Former  
Chief Conservator of Forests, Indian Forest Service, Tamil Nadu  
Forest Department, Government of Tamil Nadu

### COORDINATORS

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